

FIG. 1

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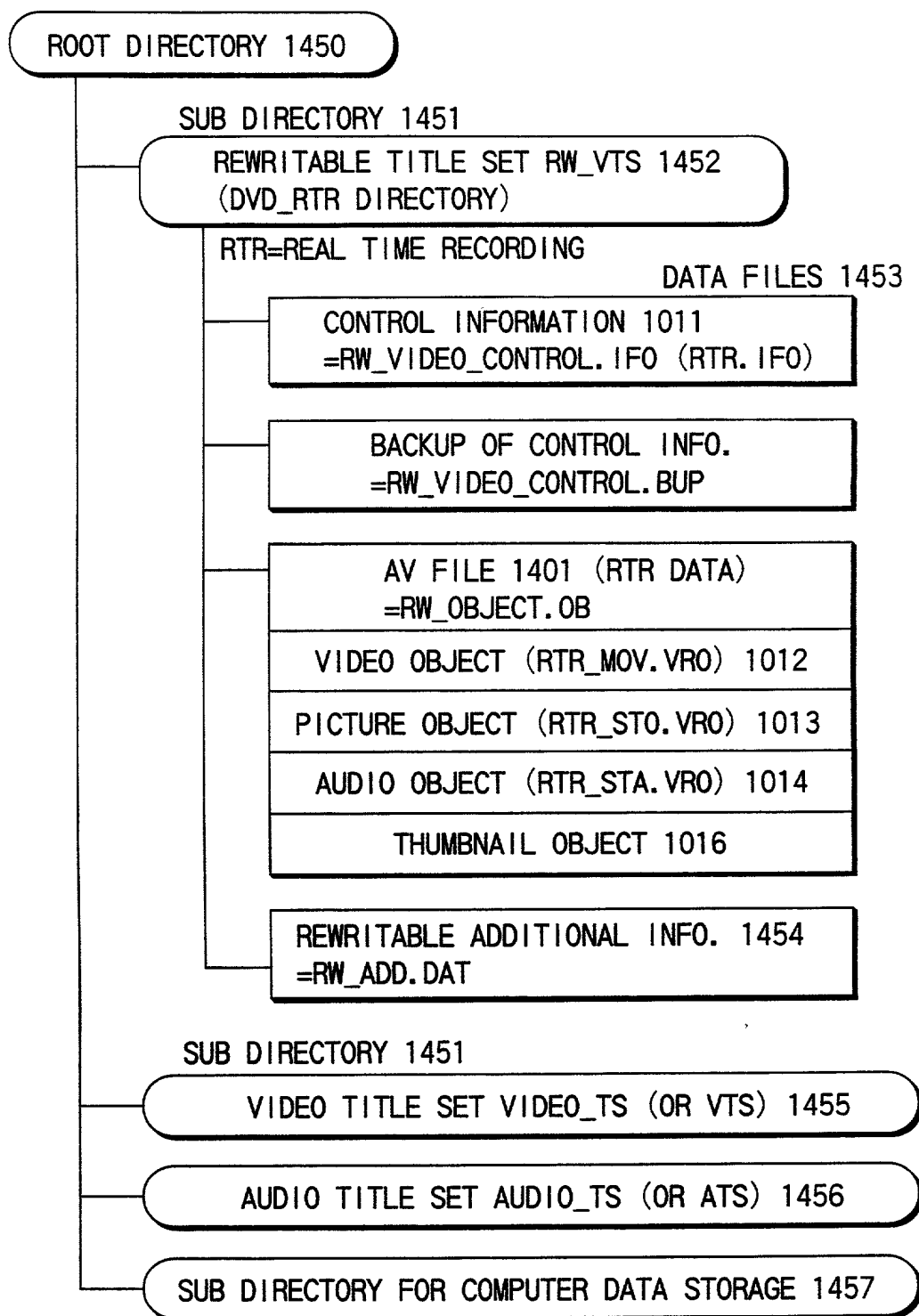


FIG. 2

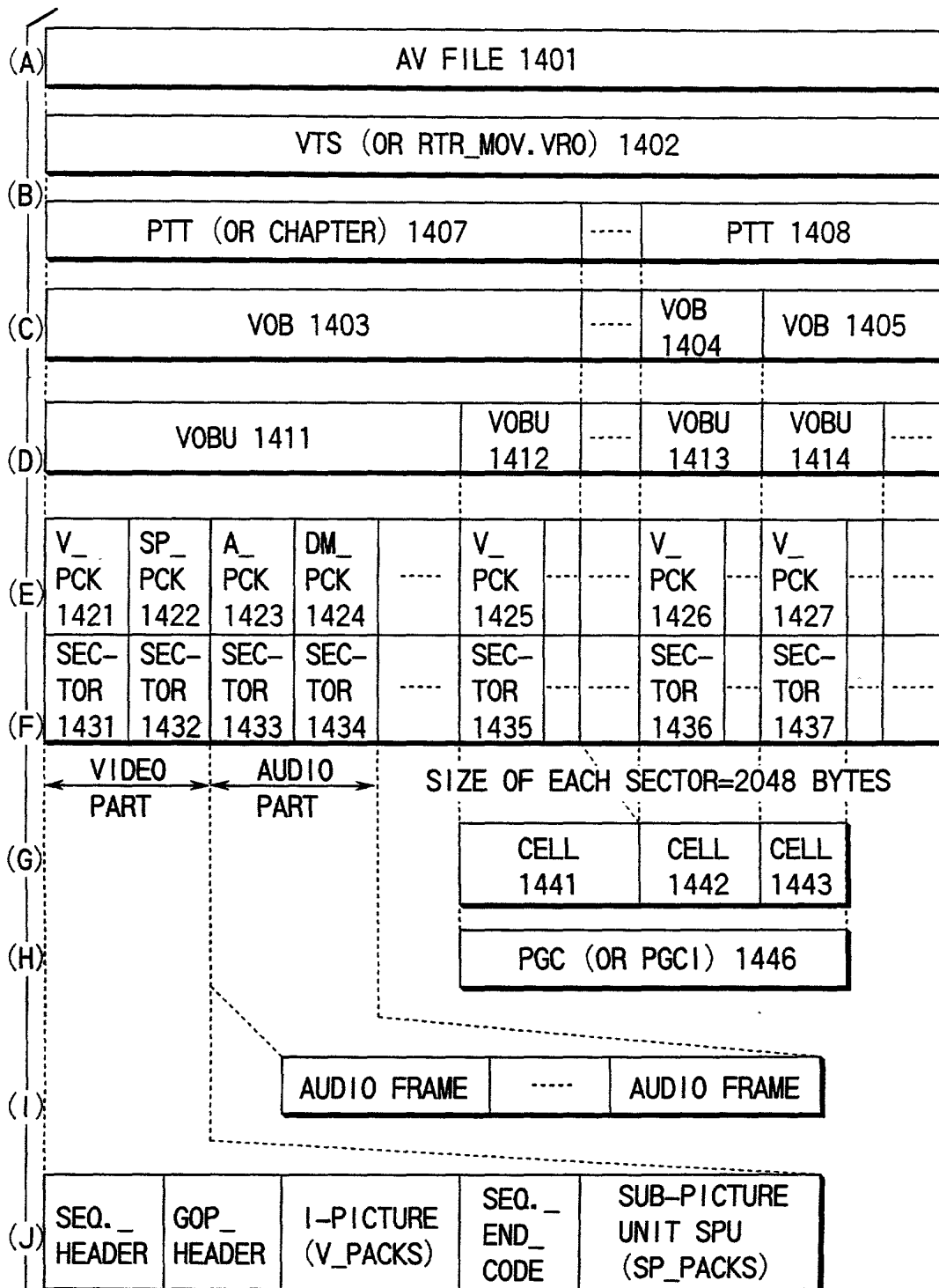


FIG. 3

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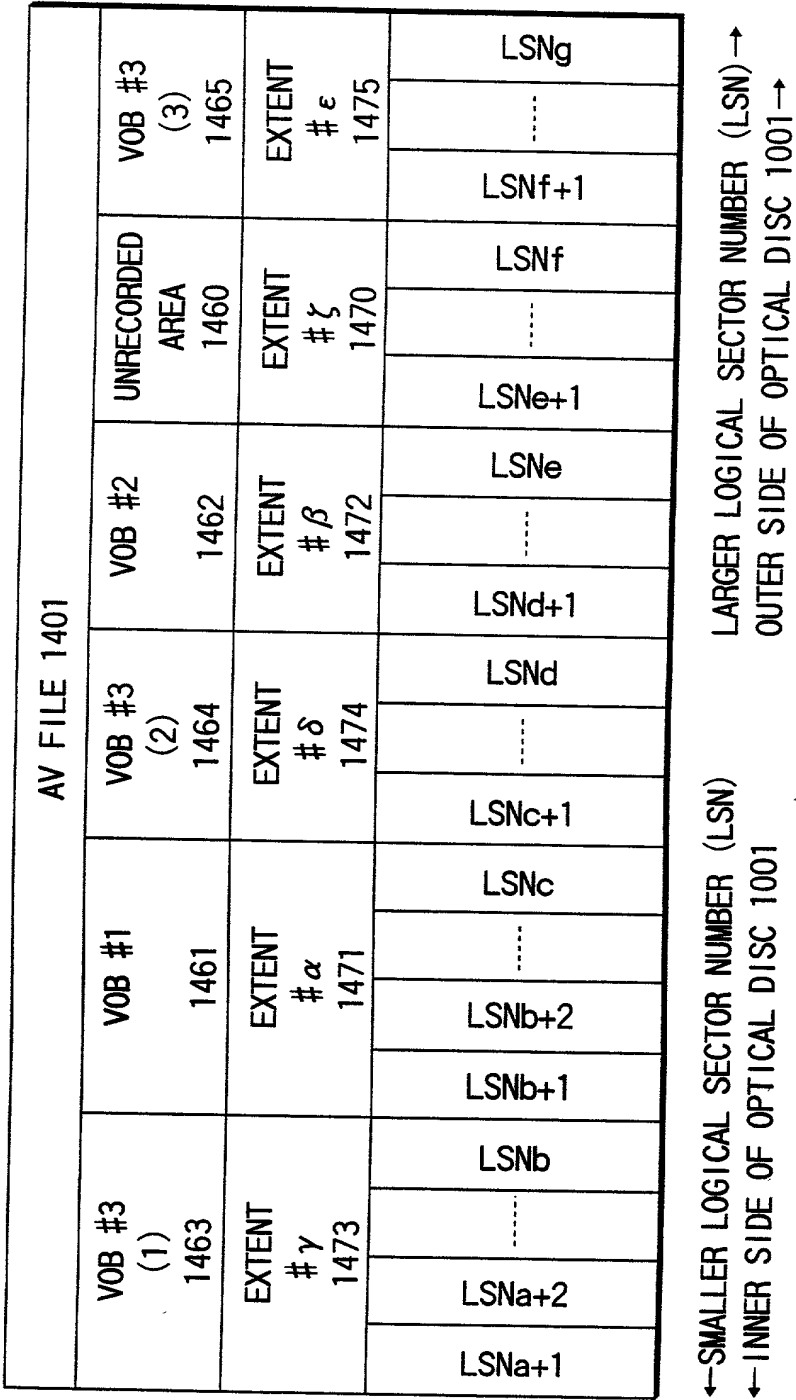


FIG. 4

CONTENTS OF  
ALLOCATION  
MAP TABLE  
1105

DISTRIBUTION  
INFORMATION OF  
POSITIONS OF  
UNRECORDED  
AREA 1621

DISTRIBUTION  
INFORMATION OF  
POSITIONS OF  
RECORDED DATA  
AS TO VOB #1  
1622

DISTRIBUTION  
INFORMATION OF  
POSITIONS OF  
RECORDED DATA  
AS TO VOB #2  
1623

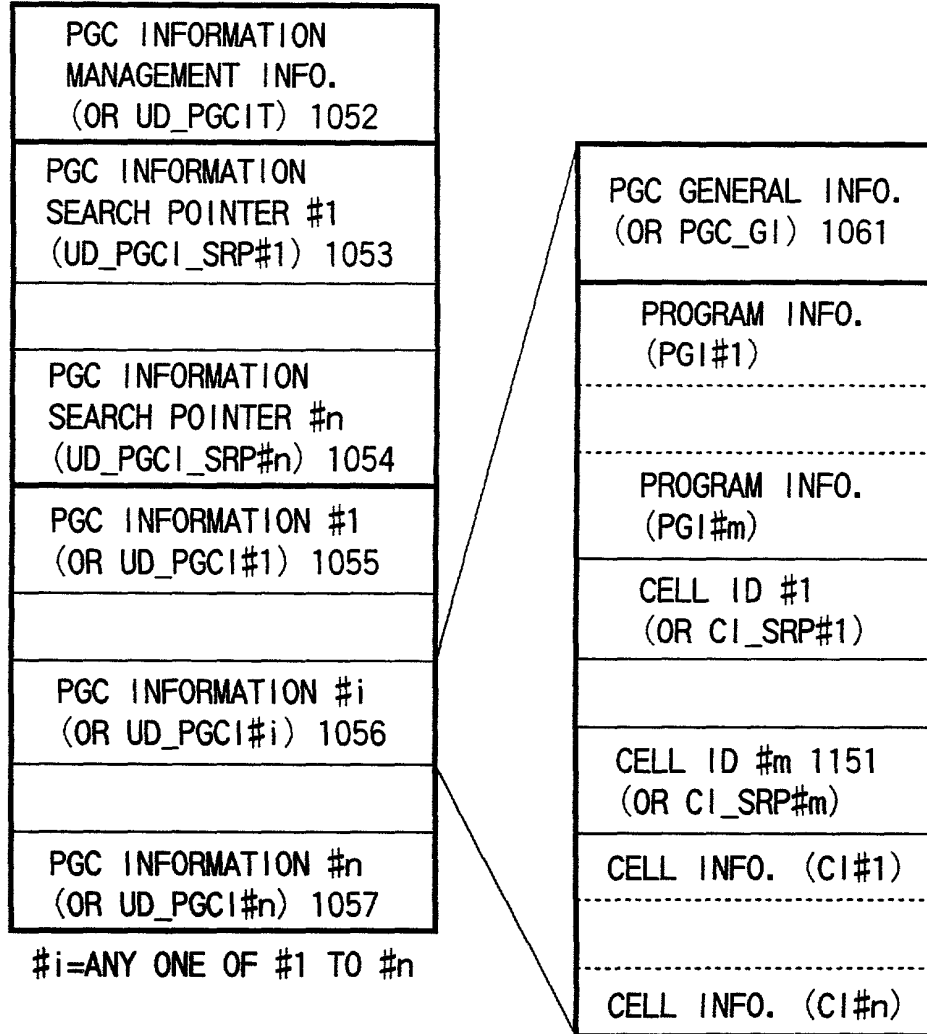
DISTRIBUTION  
INFORMATION OF  
POSITIONS OF  
RECORDED DATA  
AS TO VOB #3  
1624

NUMBER OF EXTENTS IN UNRECORDED AREA 1601	1
1ST ADR. (LSN) OF 1ST EXTENT IN UNRECORDED AREA 1606	e-a
SIZE (SECTORS) OF 1ST EXTENT IN UNRECORDED AREA 1614	f-e
NUMBER OF EXTENTS IN VOB #1 1602	1
1ST ADR. (LSN) OF 1ST EXTENT IN VOB #1 1607	b-a
SIZE (SECTORS) OF 1ST EXTENT IN VOB #1 1615	c-b
NUMBER OF EXTENTS IN VOB #2 1603	1
1ST ADR. (LSN) OF 1ST EXTENT IN VOB #2 1608	d-a
SIZE (SECTORS) OF 1ST EXTENT IN VOB #2 1616	e-d
NUMBER OF EXTENTS IN VOB #3 1604	3
1ST ADR. (LSN) OF 1ST EXTENT IN VOB #3 1609	1
SIZE (SECTORS) OF 1ST EXTENT IN VOB #3 1617	b-a
1ST ADR. (LSN) OF 2ND EXTENT IN VOB #3 1610	c-a
SIZE (SECTORS) OF 2ND EXTENT IN VOB #3 1618	d-c
1ST ADR. (LSN) OF 3RD EXTENT IN VOB #3 1611	f-a
SIZE (SECTORS) OF 3RD EXTENT IN VOB #3 1619	g-f

FIG.5

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PGC CONTROL INFO. (OR UD\_PGCIT) 1103



- \*1> PGC INFORMATION (OR UD\_PGCI) CAN DEFINE  
A GROUP OF ONE OR MORE PROGRAMS;
- \*2> EACH PROGRAM CAN BE FORMED OF ONE OR MORE CELLS;
- \*3> EACH CELL CAN BE SPECIFIED BY CELL ID (OR CI\_SRP);
- \*4> EACH CELL ID (OR CI\_SRP) CAN INDICATE POSITION  
(OR START ADDRESS) OF CELL INFORMATION (OR CI);
- \*5> EACH CELL INFORMATION (OR CI) CAN DETERMINE  
START TIME AND END TIME OF PRESENTATION OF CELL

FIG. 6

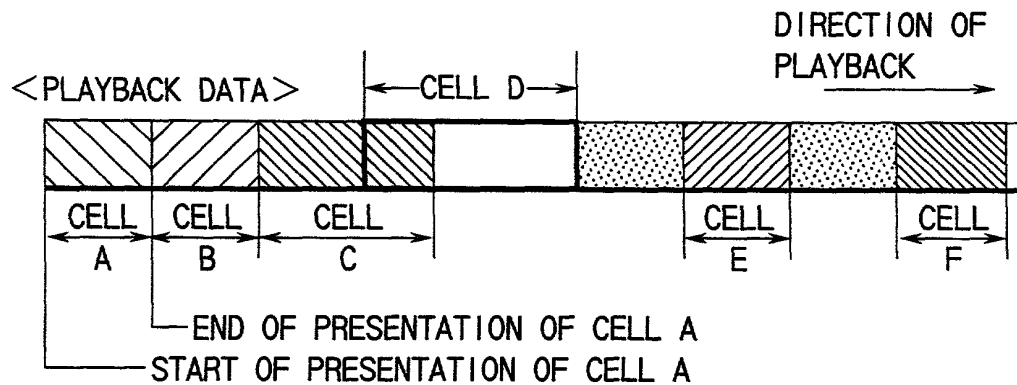


FIG. 7A

PGC INFORMATION (PGCI)

PGC#1 1081		PGC#2 1082		PGC#3 1083	
NUMBER OF CELLS=3		NUMBER OF CELLS=3		NUMBER OF CELLS=5	
#1	CELL A	#1	CELL D	#1	CELL E
#2	CELL B	#2	CELL E	#2	CELL A
#3	CELL C	#3	CELL F	#3	CELL D
—	—	—	—	#4	CELL B
—	—	—	—	#5	CELL E
CELL ID	CELL INFO.	CELL ID	CELL INFO.	CELL ID	CELL INFO.
CI_SRP #m=3	CI #n=3	CI_SRP #m=3	CI #n=3	CI_SRP #m = 5	CI #n=4

FIG. 7B

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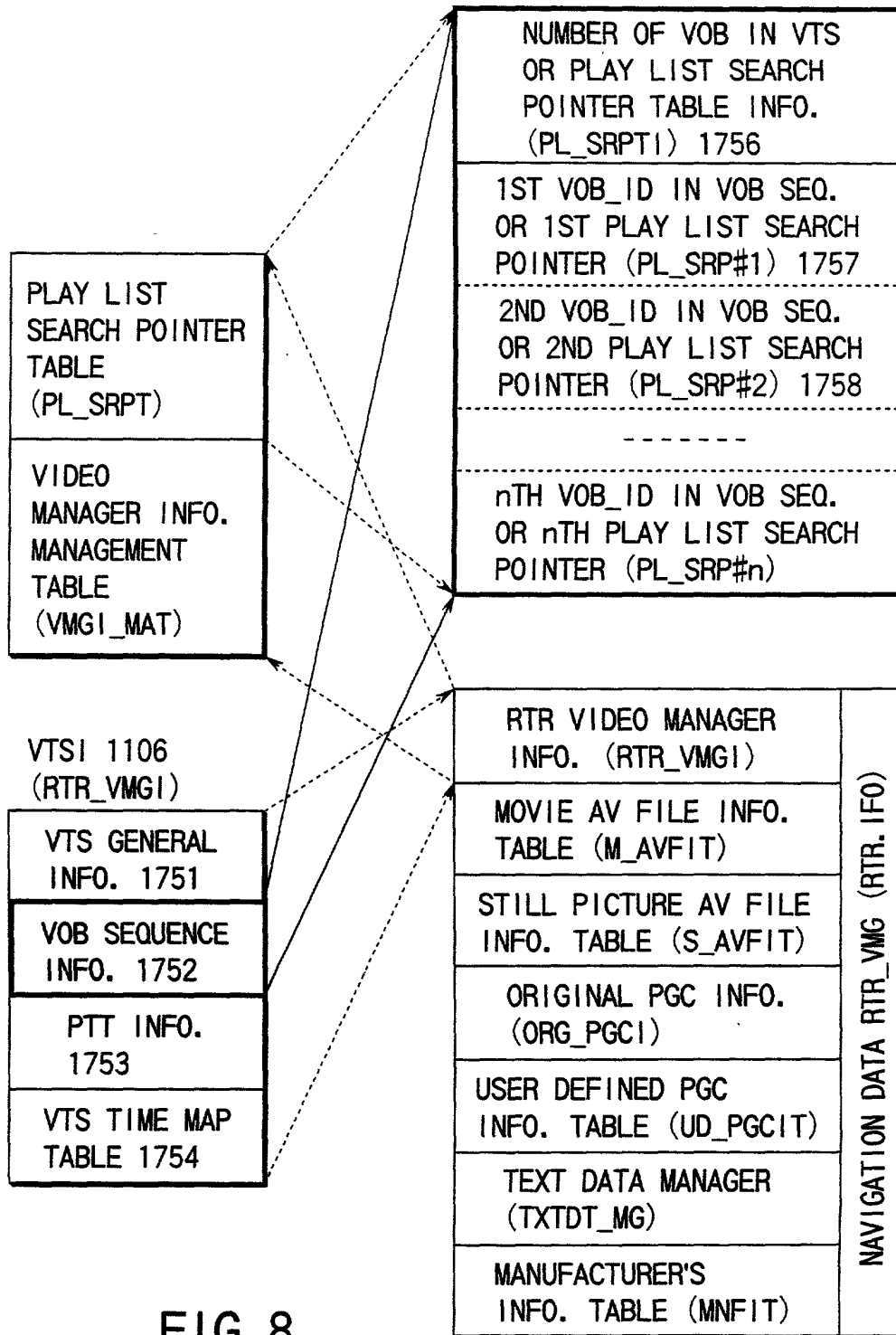


FIG. 8



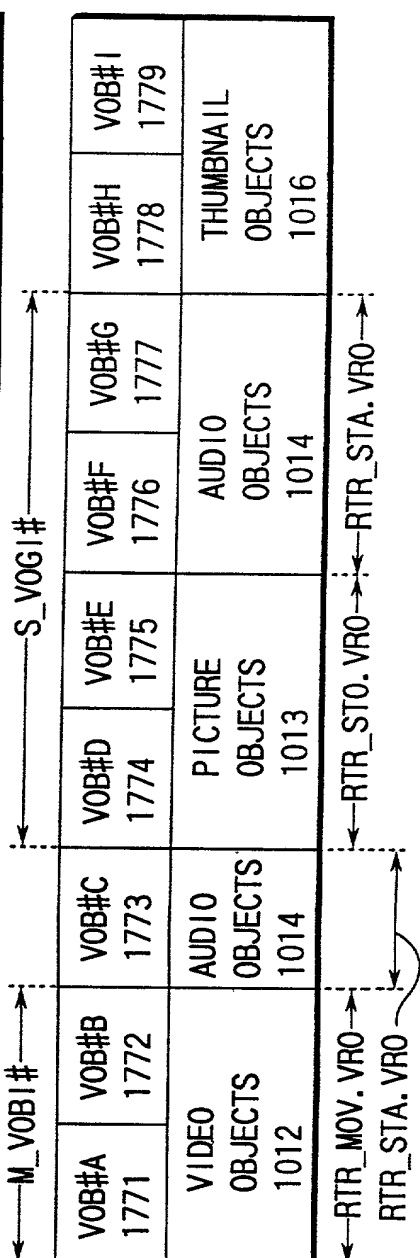
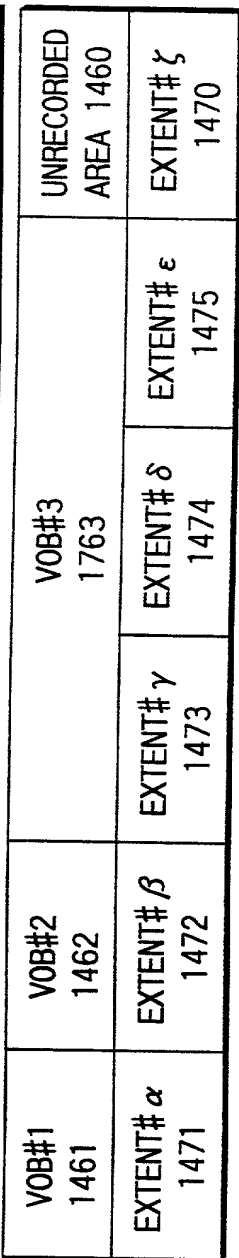


FIG. 10A

VOB FOR PICTURE OBJECTS (OR STILL PICTURE VOB GROUP RELATING TO S_VOGL#) 1631
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FIG. 10B

VOBU (FOR ONE STILL PICTURE) 1641
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FIG. 10C

V_PCK 1661	V_PCK 1662	V_PCK 1663	SP_PCK 1681	A_PCK 1691	A_PCK 1692
I-PICTURE 1706		DUMMY DATA		SP_STREAM	A_STREAM

← VIDEO PART      AUDIO PART →

FIG. 10D

VOB FOR PICTURE OBJECTS (OR STILL PICTURE VOB GROUP RELATING TO S_VOGL#) 1632
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FIG. 10E

VOBU(ONE STILL PICT.) 1642	VOBU 1643	VOBU 1644
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FIG. 10F

V_PCK 1664	SP_PCK 1682	A_PCK 1693	V_PCK 1665	A_PCK 1694	V_PCK 1666	V_PCK 1667	A_PCK 1695
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FIG. 10G VOB FOR PICTURE OBJECTS (OR STILL PICTURE VOB GROUP RELATING TO S\_VOGL#) 1633

VOBU (ONE STILL PICTURE) 1645			VOBU 1646			-----	VOBU 1647
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V_PCK 1668	V_PCK 1669	V_PCK 1670	SP_PCK 1683	V_PCK 1671	V_PCK 1672	V_PCK 1673	-----	V_PCK 1674	-----
I-PICTURE 1707			DUMMY 1704	I-PICTURE 1708			DUMMY 1705	I-PICTURE 1709	
VIDEO PART				VIDEO PART				VIDEO PART	

FIG. 10J VOB FOR PICTURE OBJECTS (OR STILL PICTURE VOB GROUP RELATING TO S\_VOGL#) 1634

VOBU (ONE STILL PICTURE) 1648			VOBU 1649			-----	VOBU 1650
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SP_PCK 1684	A_PCK 1696	A_PCK 1697	A_PCK 1698	A_PCK 1699	A_PCK 1700	A_PCK 1701	-----	A_PCK 1702	-----
AUDIO PART				AUDIO PART				AUDIO PART	

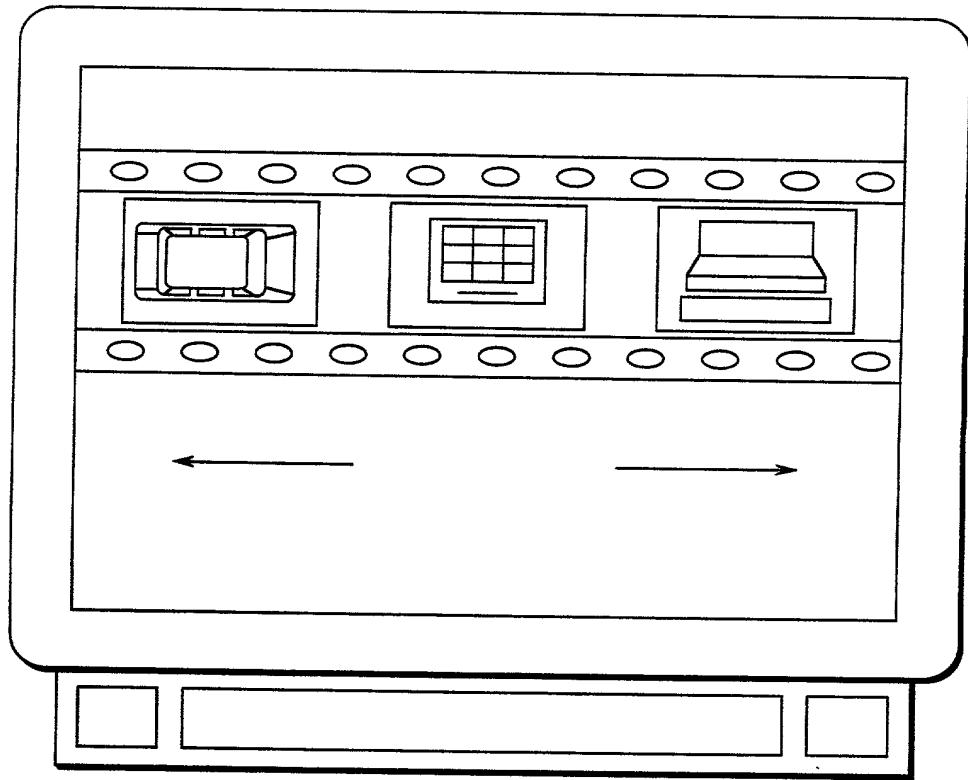
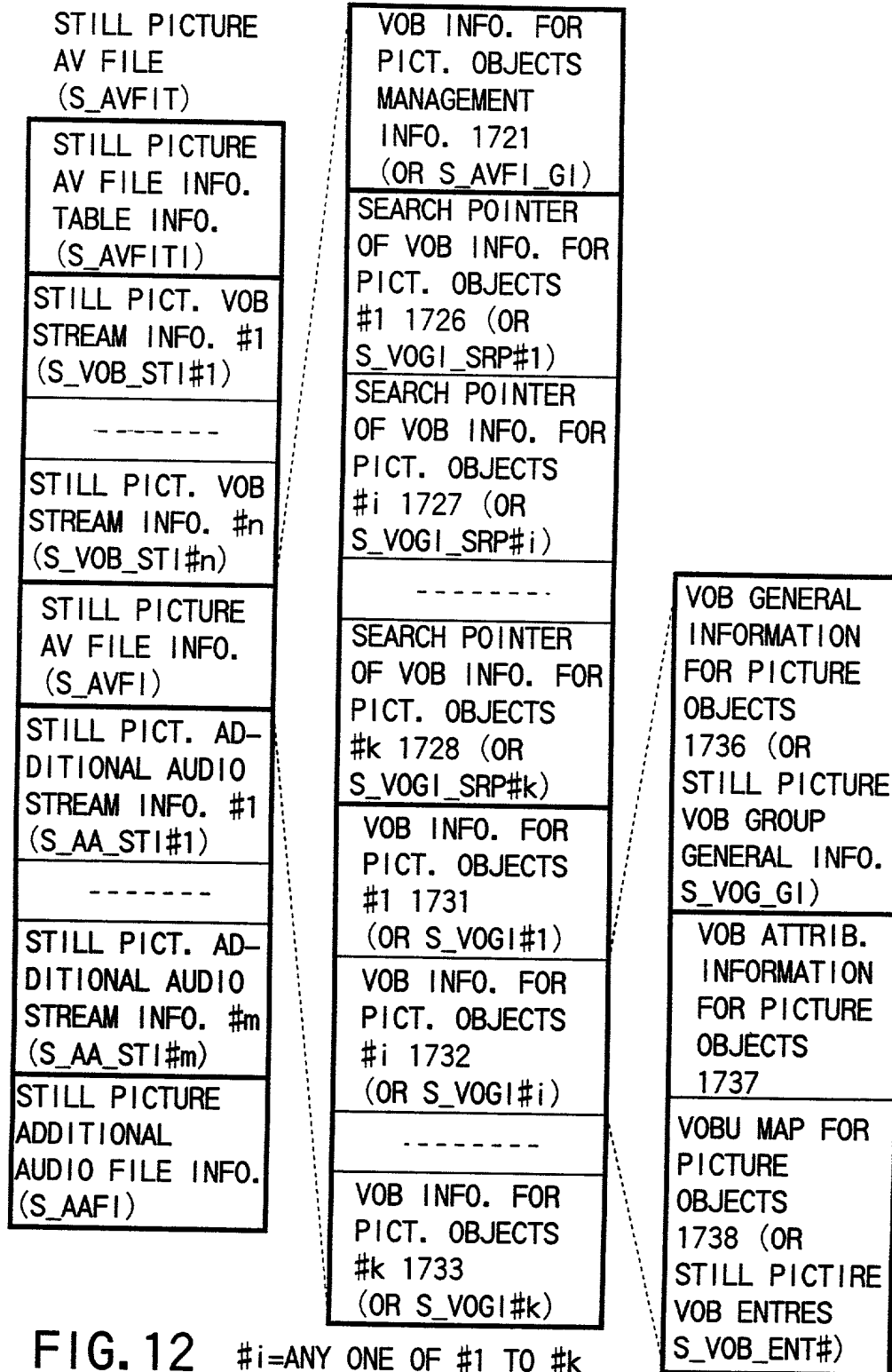


FIG. 11

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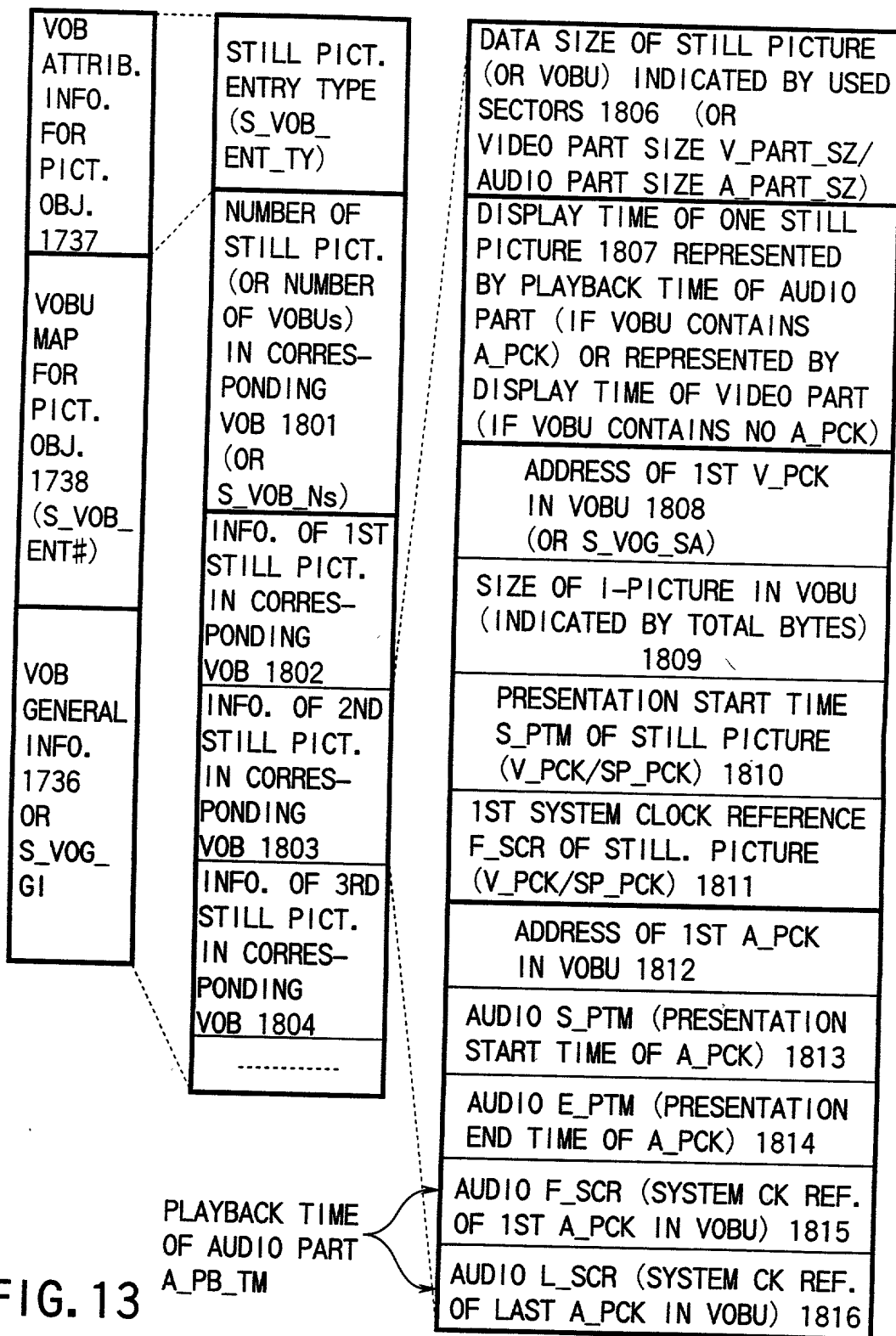


FIG. 14A

VOB #A 1821	
VOBU 1825	VOBU 1826

FIG. 14B

STILL PICT. NO. 1	STILL PICT. NO. 2
STILL PICT. NO. h	STILL PICT. NO. h

FIG. 14C

STLPCT 1831	AUDIO 1841	STLPCT 1832	AUDIO 1842	STLPCT 1833	AUDIO 1843
V_PCK 1851	A_PCK 1861	V_PCK 1852	SP_PK 1848	V_PCK 1853	A_PCK 1863

FIG. 14D

CONTENTS SPECIFIED BY CELL		1ST STILL PICT. IN CELL	LAST STILL PICT. IN CELL
V_PCK 1852	SP_PK 1848	A_PCK 1865	V_PCK 1853
V_PCK 1854	A_PCK 1866	V_PCK 1855	A_PCK 1866

FIG. 14E

A_PCK 1864	V_PCK 1855	A_PCK 1865	V_PCK 1856	V_PCK 1857	A_PCK 1866	V_PCK 1858
AUDIO 1844	STLPCT 1835	AUDIO 1845	STLPCT 1836	STLPCT 1837	AUDIO 1846	STLPCT 1838

FIG. 14F

STILL PICTURE NO. j	STILL PICTURE NO. h+j-2
VOBU 1828	VOBU 1829

FIG. 14G

VOB #B 1822	
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CONTENTS (S_CI) OF CELL PLAYBACK INFO. (CI) FOR PICTURE OBJECTS 1870	EXAMPLE 1871 WITH RESPECT TO FIG.14	EXAMPLE 1872 WITH RESPECT TO FIG.14
CELL ID (CI_SRP) 1873	_____	_____
TYPE INFORMATION OF CELL (C_TY) 1880	_____	_____
ID INFORMATION OF VOB WITH V_PCK 1874	VOB #A	1821
STILL PICT. NUMBER 1875 IN VOB INCLUDING V_PCK OF 1ST STILL PICTURE IN CELL (S_S_VOB_ENTN)	2	1826
STILL PICT. NUMBER 1876 IN VOB INCLUDING V_PCK OF LAST STILL PICTURE IN CELL (E_S_VOB_ENTN)	h	1827
ID INFORMATION OF VOB WITH A_PCK 1877	VOB #B	1822
STILL PICT. NUMBER 1878 IN VOB INCLUDING A_PCK OF 1ST STILL PICTURE IN CELL	j	1828
PRESENTATION TIME 1879 OF EACH STILL PICTURE HAVING NO CORRESPONDING A_PCK	2 SECONDS (ONE LINE)	_____

FIG.15

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CONTENTS OF CELL PLAYBACK INFO. (CI) FOR PTT
CELL ID (CI_SRP) 1883
TYPE INFO. OF CELL (C_TY) 1882
ID INFO. OF PTT WITH V_PCK 1884
STILL PICTURE NUMBER 1885 IN PTT OF VOB INCLUDING V_PCK OF 1ST STILL PICTURE IN CELL
STILL PICTURE NUMBER 1886 IN PTT OF VOB INCLUDING V_PCK OF LAST STILL PICTURE IN CELL
ID INFO. OF PTT WITH A_PCK 1887
STILL PICTURE NUMBER 1888 IN PTT OF VOB INCLUDING A_PCK OF 1ST STILL PICTURE IN CELL
PRESENTATION TIME 1889 OF EACH STILL PICT. HAVING NO CORRESPONDING A_PCK

FIG.16

STILL PICTURE AV FILE INFO.  
(S\_AVFI) FOR PTT (CHAPTER)

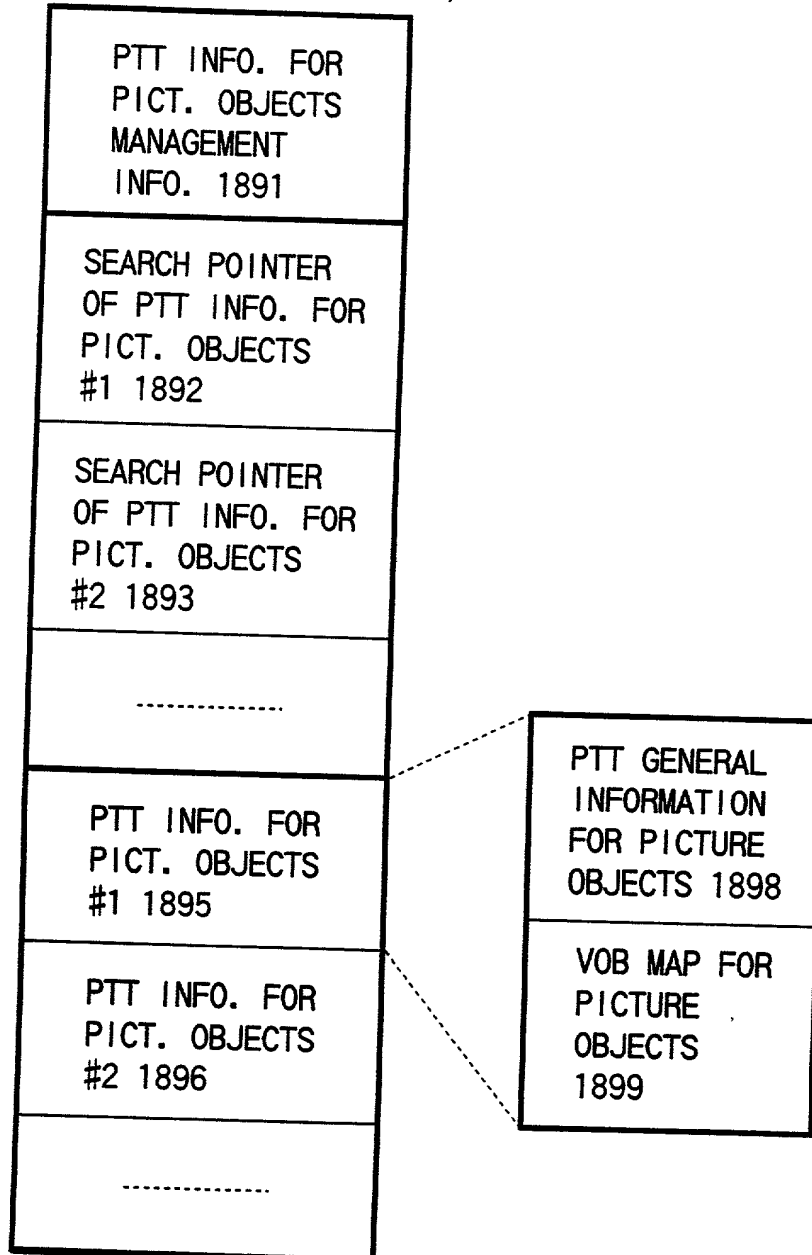


FIG. 17

VOB MAP FOR  
PICT. OBJECTS  
1899

NUMBER OF  
STILL PICT.  
(OR NUMBER  
OF VOBs) IN  
CORRESPONDING  
PTT 1901  
(OR S\_VOB\_Ns)

INFO. OF 1ST  
STILL PICT. IN  
CORRESPONDING  
PTT 1902

INFO. OF 2ND  
STILL PICT. IN  
CORRESPONDING  
PTT 1903

-----

DATA SIZE OF STILL PICTURE  
(OR VOB) INDICATED BY USED  
SECTORS 1906

DISPLAY TIME OF ONE STILL  
PICTURE 1907 REPRESENTED  
BY PLAYBACK TIME OF AUDIO  
PART (IF VOB CONTAINS  
A\_PCK) OR REPRESENTED BY  
DISPLAY TIME OF VIDEO PART  
(IF VOB CONTAINS NO A\_PCK)

ADDRESS OF 1ST V\_PCK  
IN VOB 1908  
(OR S\_VOB\_SA)

SIZE OF I-PICTURE IN VOB  
(INDICATED BY TOTAL BYTES)  
1909

PRESENTATION START TIME  
S\_PTM OF STILL PICTURE  
(V\_PCK/SP\_PCK) 1910

1ST SYSTEM CLOCK REFERENCE  
F\_SCR OF STILL. PICTURE  
(V\_PCK/SP\_PCK) 1911

ADDRESS OF 1ST A\_PCK  
IN VOB 1912

AUDIO S\_PTM (PRESENTATION  
START TIME OF A\_PCK) 1913

AUDIO E\_PTM (PRESENTATION  
END TIME OF A\_PCK) 1914

AUDIO F\_SCR (SYSTEM CK REF.  
OF 1ST A\_PCK IN VOB) 1915

AUDIO L\_SCR (SYSTEM CK REF.  
OF LAST A\_PCK IN VOB) 1916

FIG. 18

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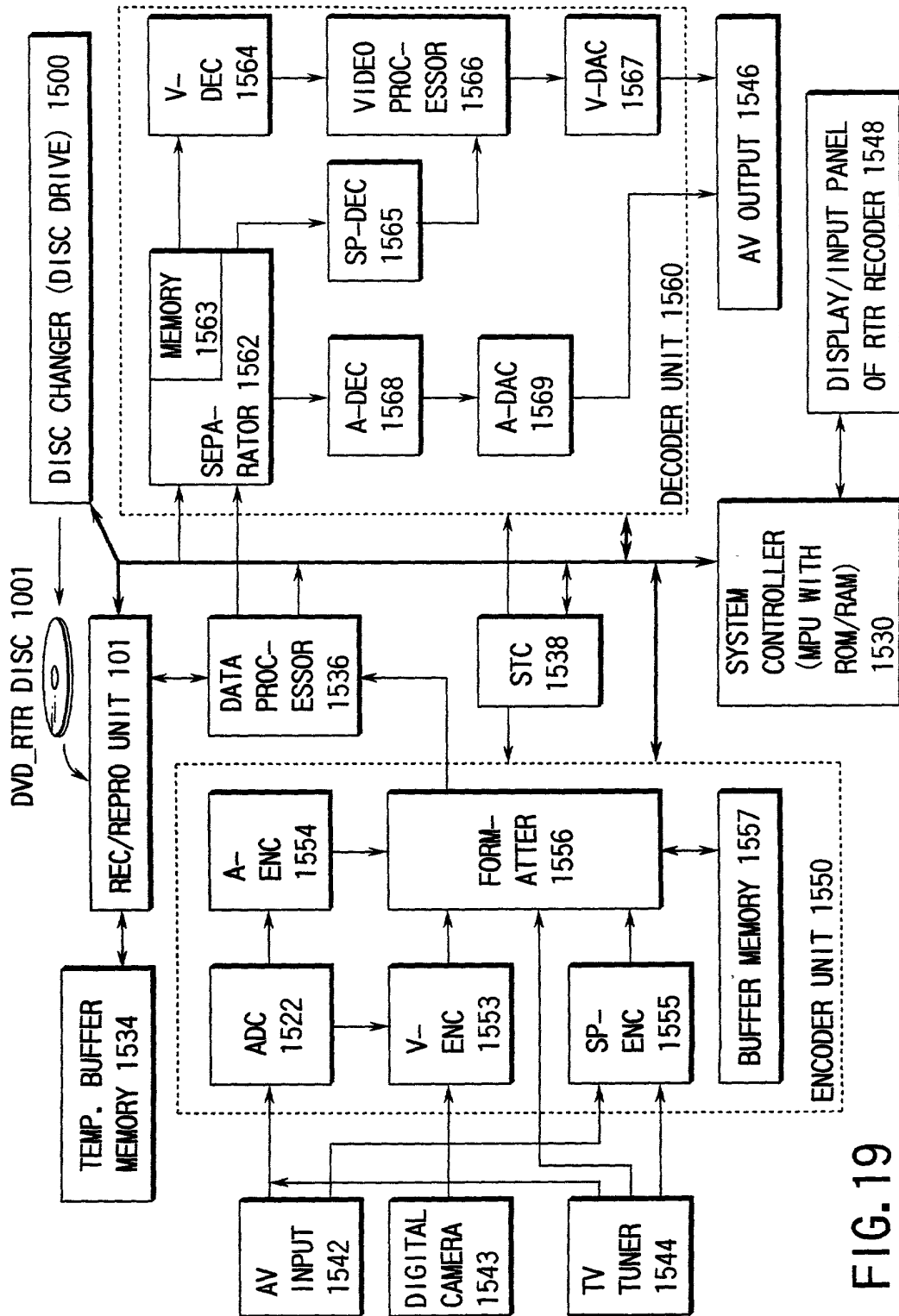


FIG. 19

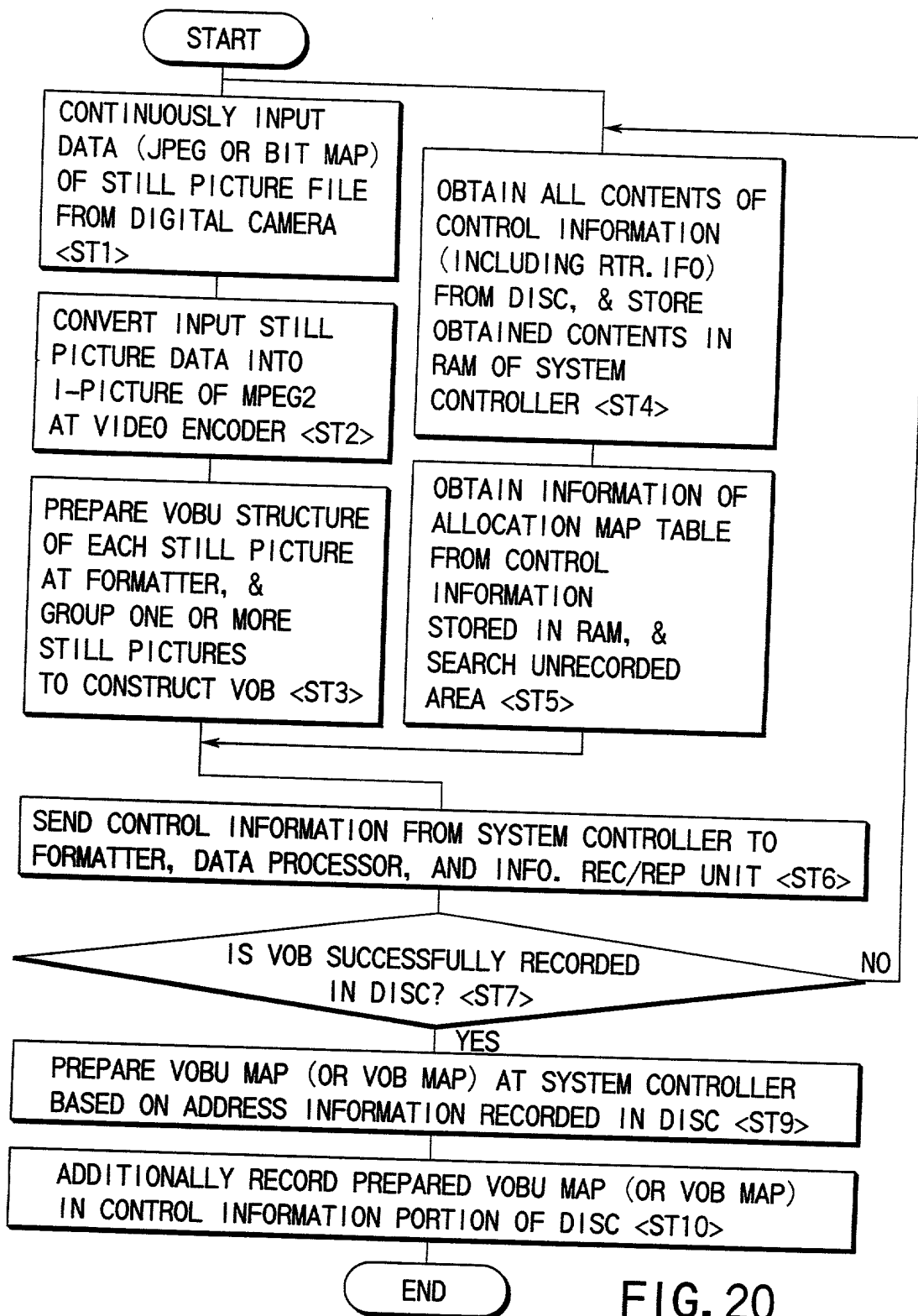


FIG. 20

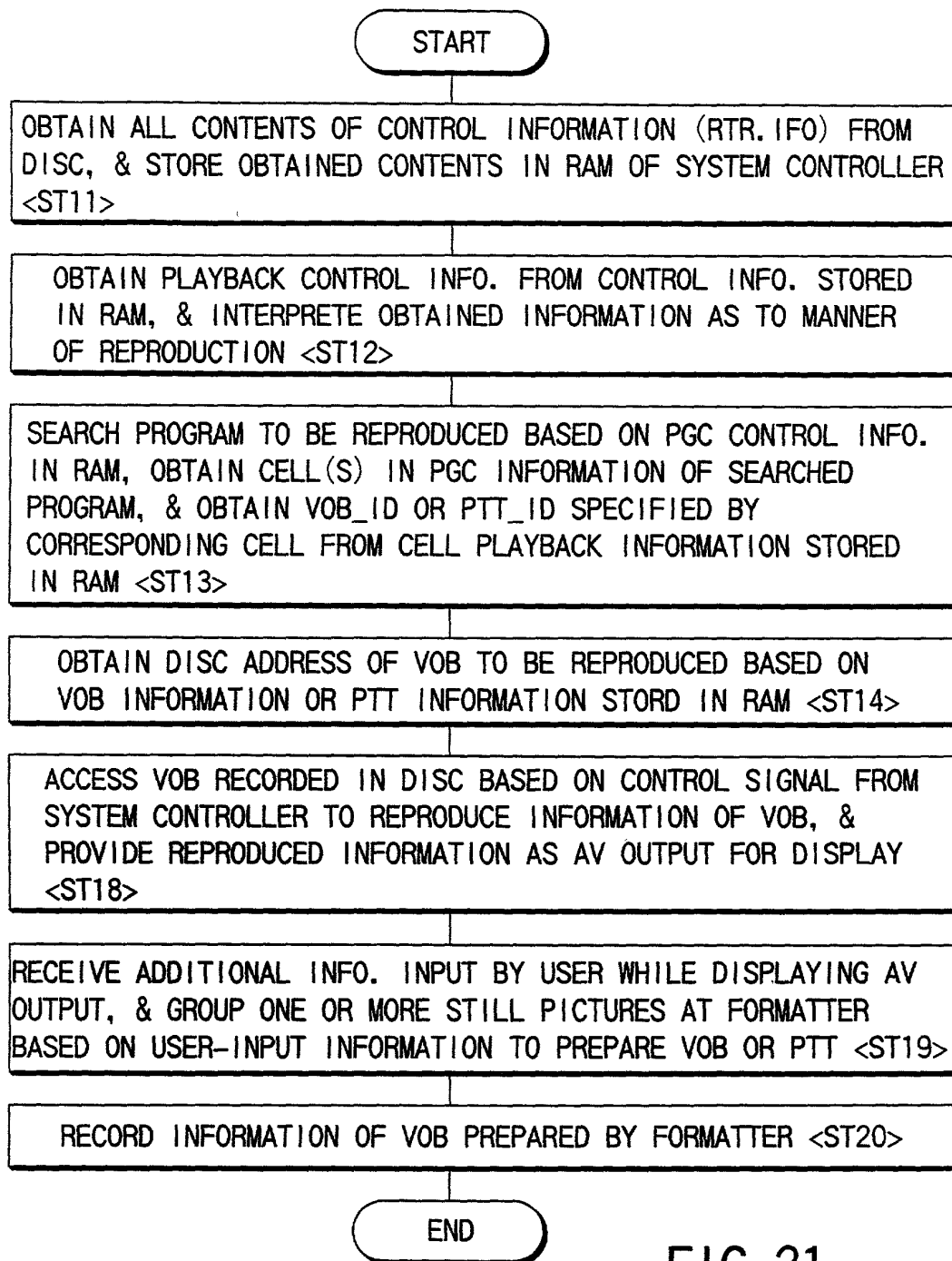


FIG. 21

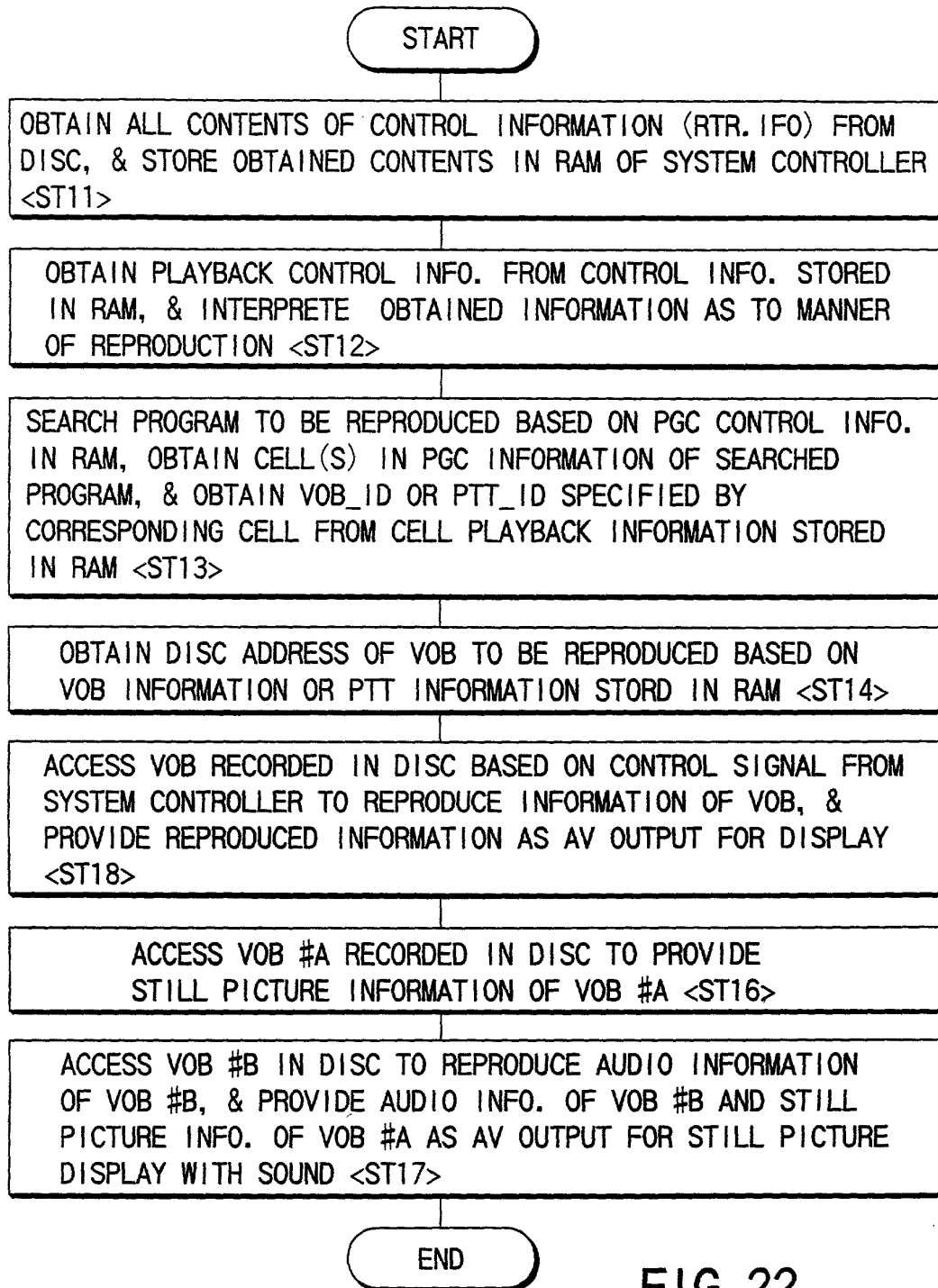


FIG. 22

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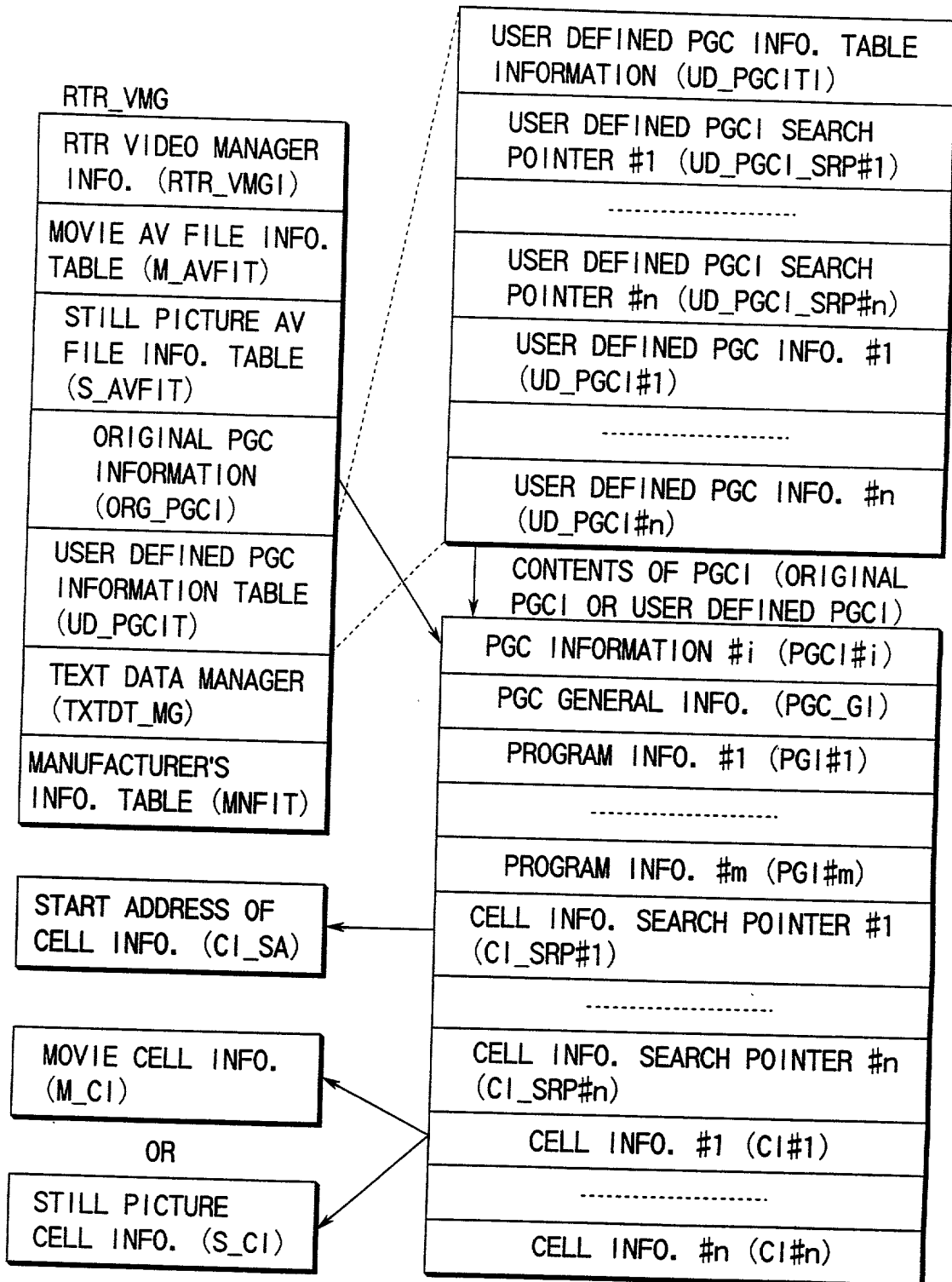


FIG. 23



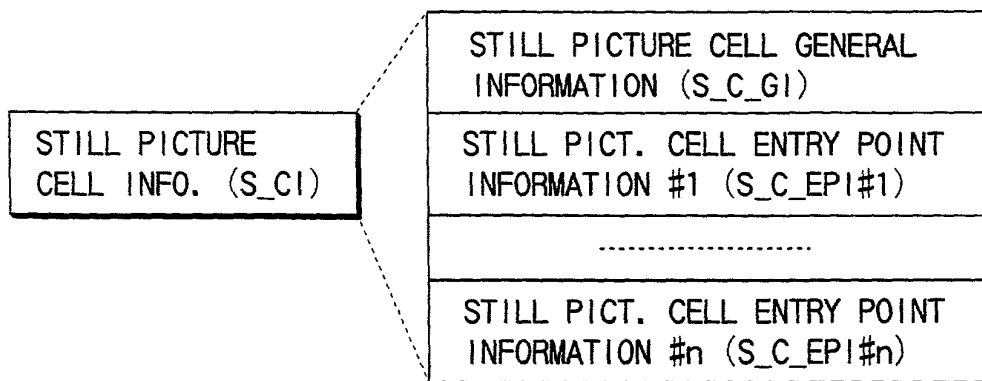


FIG. 24

CONTENTS OF S\_C\_GI

FIELD NAME	CONTENTS
RESERVED	RESERVED
C_TY	CELL TYPE
S_VOGL_SRPN	S_VOGL SEARCH POINTER NUMBER
C_EPI_Ns	NUMBER OF CELL ENTRY POINT INFO.
S_S_VOB_ENTN	START S_VOB_ENT NUMBER
E_S_VOB_ENTN	END S_VOB_ENT NUMBER

FIG. 25

CONTENTS OF S\_C\_EPI

FIELD NAME	CONTENTS
EP_TY	ENTRY POINT TYPE
S_VOB_ENTN	S_VOB_ENT NUMBER
PRM_TXTI	PRIMARY TEXT INFORMATION

FIG. 26

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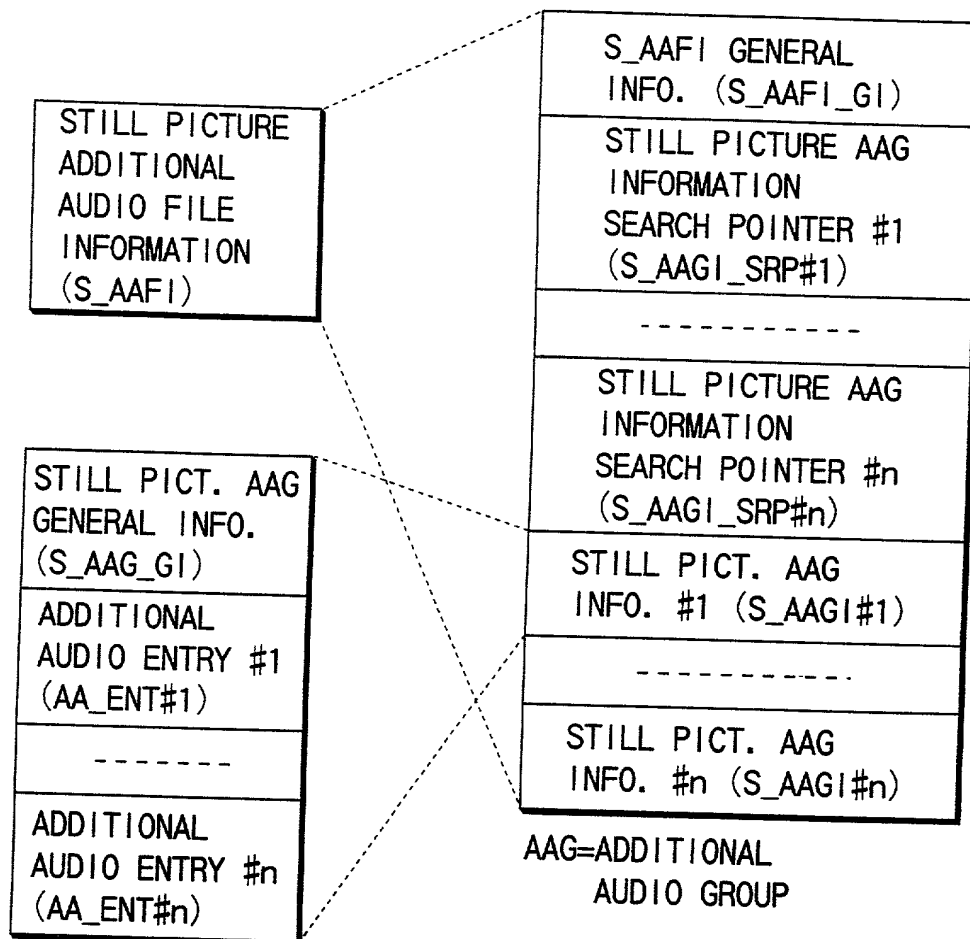


FIG. 27

CONTENTS OF S_AAG_GI	
FIELD NAME	CONTENTS
AA_ENT_Ns	NUMBER OF AA_ENT
S_AA_STIN	STILL PICTURE ADDITIONAL AUDIO STREAM INFORMATION NUMBER
S_AAG_SA	START ADDRESS OF THIS AAG IN STILL PICTURE ADDITIONAL AUDIO FILE

FIG. 28

CONTENTS OF AA\_ENT

FIELD NAME	CONTENTS
AA_TY	ADDITIONAL AUDIO TYPE
AA_SZ	SIZE OF ADDITIONAL AUDIO STREAM
AA_PB_TM	PLAYBACK TIME OF ADDITIONAL AUDIO STREAM (MEASURED BY VIDEO FIELDS)

FIG. 29

CONTENTS OF S\_VOG\_GI

FIELD NAME	CONTENTS
S_VOB_Ns	NUMBER OF S_VOBS
S_VOB_STIN	STILL PICTURE VOB STREAM INFORMATION NUMBER
FIRST_VOB_REC_TM	TIME WHEN THE FIRST VOB IN THIS VOB GROUP WAS RECORDED
LAST_VOB_REC_TM	TIME WHEN THE LAST VOB IN THIS VOB GROUP WAS RECORDED
S_VOG_SA	START ADDRESS OF THIS VOB GROUP IN STILL PICTURE AV FILE

FIG. 30

CONTENTS OF S\_VOB\_ENT (TYPE 1)

FIELD NAME	CONTENTS
S_VOB_ENT_TY	STILL PICTURE VOB ENTRY TYPE
V_PART_SZ	SIZE OF VIDEO PART

FIG. 31

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CONTENTS OF S\_VOB\_ENT (TYPE 2)

FIELD NAME	CONTENTS
S_VOB_ENT_TY	STILL PICTURE VOB ENTRY TYPE
V_PART_SZ	SIZE OF VIDEO PART
A_PART_SZ	SIZE OF ORIGINAL AUDIO PART
A_PB_TM	PLAYBACK TIME OF AUDIO PART (DESCRIBED IN VIDEO FIELDS)

FIG. 32

CONTENTS OF S\_VOB\_ENT (TYPE 3)

FIELD NAME	CONTENTS
S_VOB_ENT_TY	STILL PICTURE VOB ENTRY TYPE
V_PART_SZ	SIZE OF VIDEO PART
S_AAGN	ADDITIONAL AUDIO GROUP NUMBER
AA_ENTN	AA_ENT NUMBER

FIG. 33

CONTENTS OF S\_VOB\_ENT (TYPE 4)

FIELD NAME	CONTENTS
S_VOB_ENT_TY	STILL PICTURE VOB ENTRY TYPE
V_PART_SZ	SIZE OF VIDEO PART
A_PART_SZ	SIZE OF ORIGINAL AUDIO PART
A_PB_TM	PLAYBACK TIME OF AUDIO PART
S_AAGN	ADDITIONAL AUDIO GROUP NUMBER
AA_ENTN	AA_ENT NUMBER

FIG. 34

1007627-021902

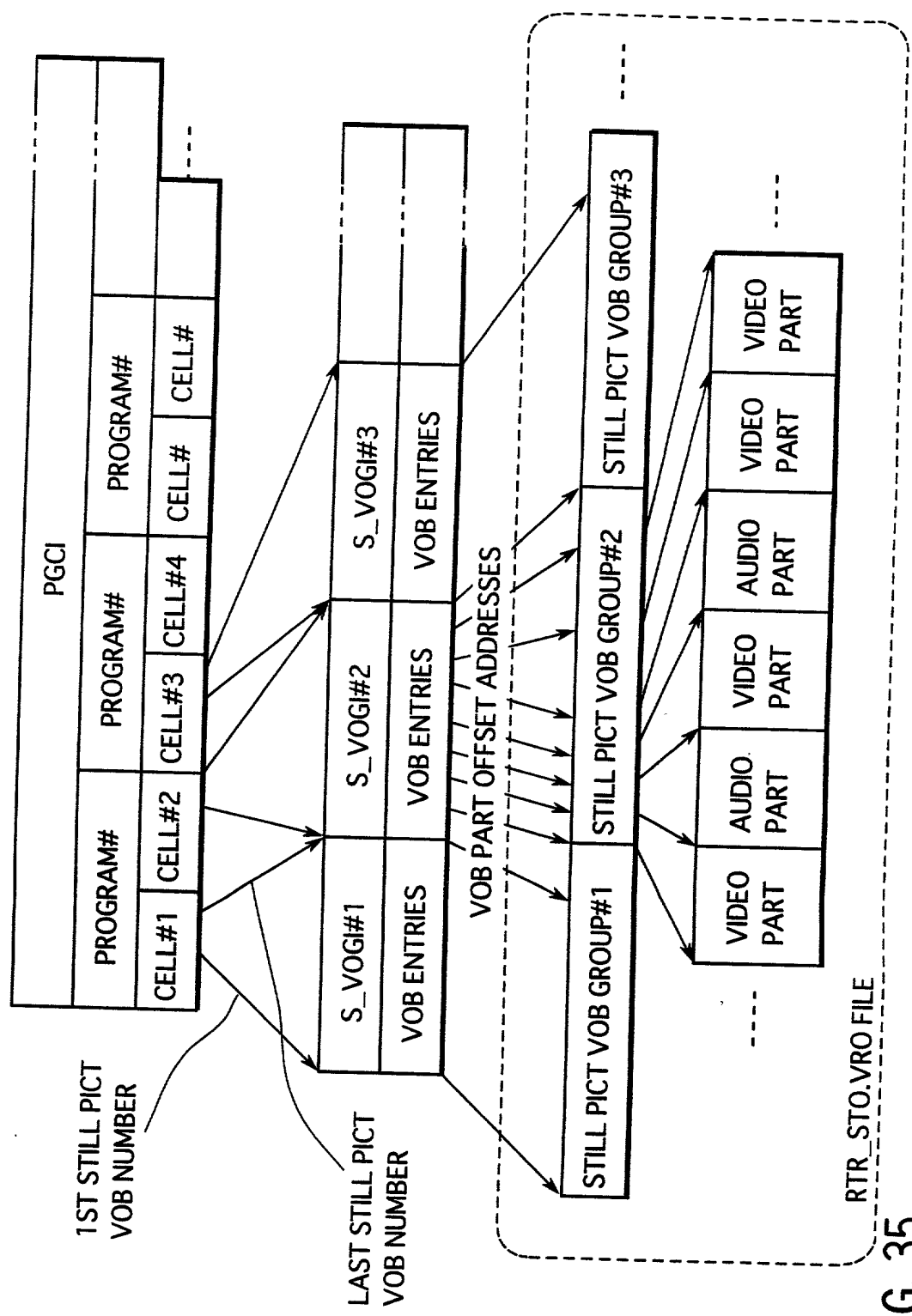


FIG. 35

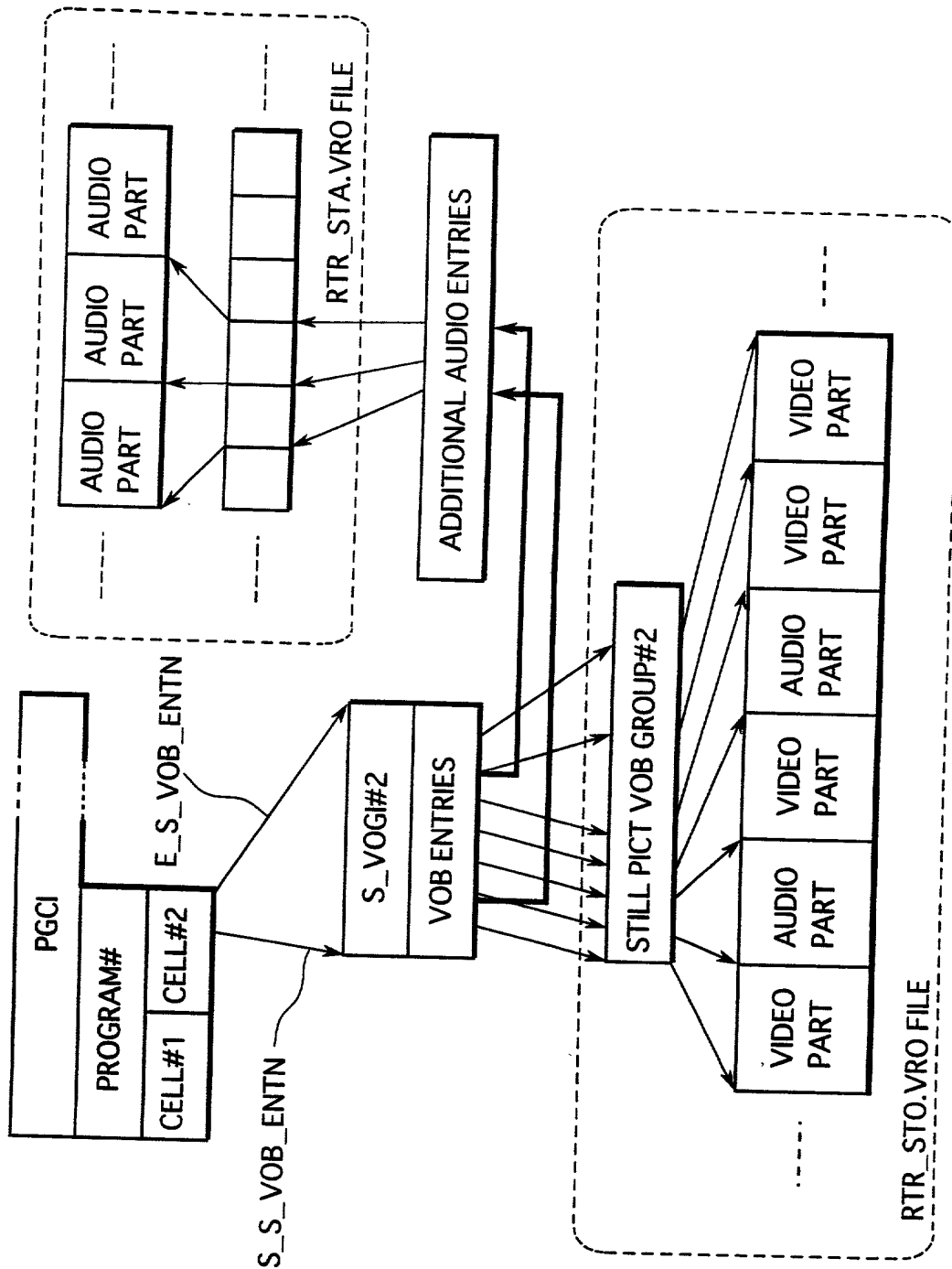


FIG. 36

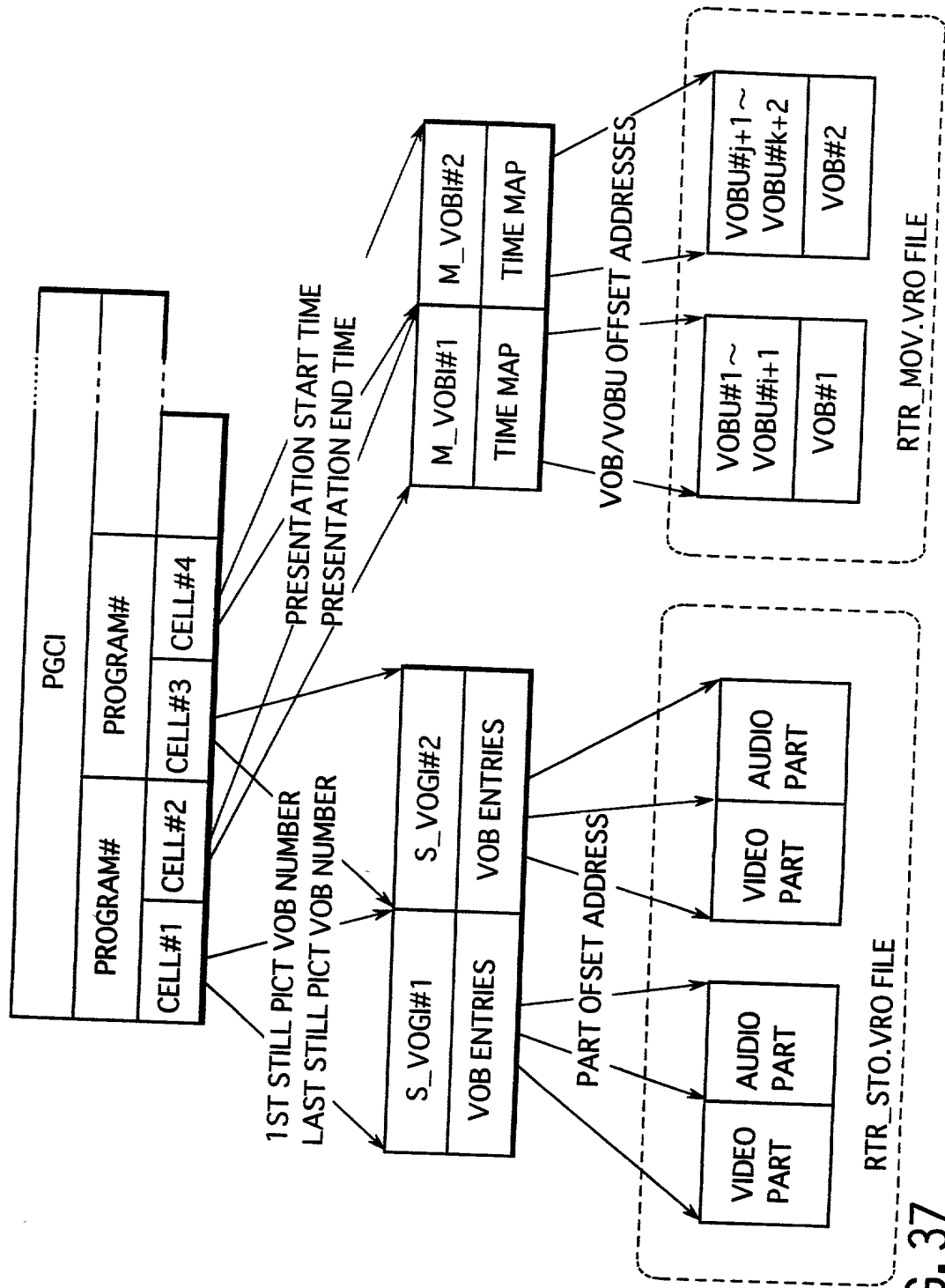


FIG. 37

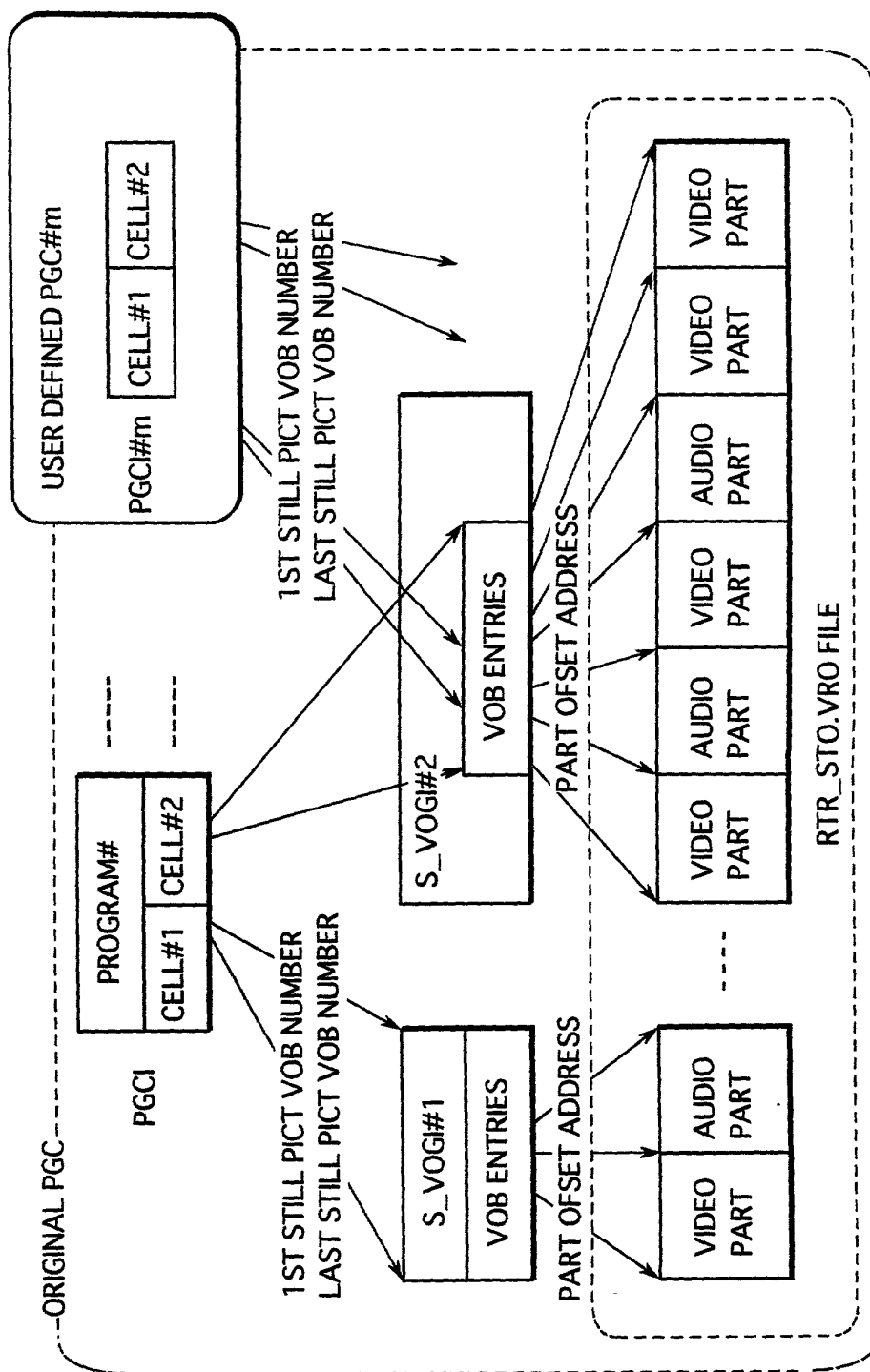


FIG. 38